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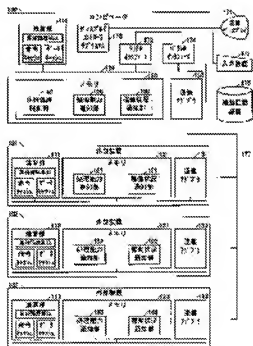(21)Application number : **09-170032**　(71)Applicant : **HITACHI LTD**

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(54) **PARALLEL PROCESSING SYSTEM**

(57)Abstract:

PROBLEM TO BE SOLVED: To change the number of arithmetic parts which perform the parallel processes in response to the processing load and to perform the effective parallel processes by preparing a parallel process control part where a process is divided in response to the excess processing capability value to allocate the divided processes to plural external devices and the processing results are collected from these external devices.

SOLUTION: When a task occurs to execute a specific-process, a parallel process control part 140 of a computer 100 calculates the excess processing capability value of an arithmetic part 110 based on the processing capability value that is read out by a processing capability notification part 150 and the processing load value that is calculated by a working state notification part 160. Then the excess processing capability value is compared with the processing capability value which is necessary for execution of the specific process. If the latter processing capability value is

larger than the former one or the processing, load value of the part 110 exceeds its prescribed threshold when the specific process is executed at the part 110, the specific process is divided and distributed to the external devices 101 to 103 which execute these divided processes.

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